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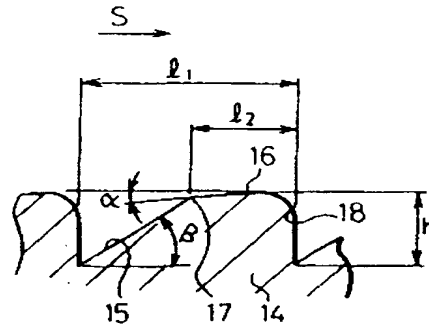
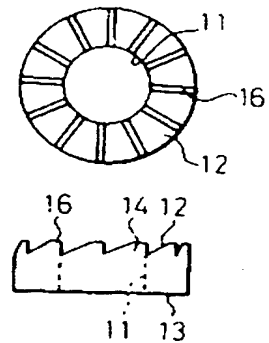
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TITLE : TAPERED LAND THRUST BEARING



ABSTRACT : PURPOSE: To make an oil film break of lubricating oil so as not to happen there as well as to prevent the occurrence of cavitation erosion, by removing an angular end in a corner angle of a tapered land end part and thereby forming it into a smooth spherical form.

CONSTITUTION: Plural tapered lands 14 being successively made up in the circumferential direction of a sliding bearing surface 12 are provided with an inclined plane 15 having a rising gradient to a sliding direction S of a rotary shaft and a gentle inclined plane 16 consisting of a relatively slow grade successive to this inclined plane 15. The inclined plane 15 has a tilt angle β against a horizontal line perpendicular to a bearing center line, while the tilt angle β is formed so as to become almost constant at each tapered land 14 in common. And, a corner angle part in a boundary part 17 between the inclined plane 15 and gentle inclined plane 16 is formed into the corner angle part carrying a roundness of 40~50 μ or so in radius, and likewise an end part 18 of each tapered land 14 is formed into the corner angle part carrying a roundness of 5~ 10 μ or so in radius.

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